## SEQUENCE LISTING

<110> GILLIES, Stephen D LO, Kin-Ming LAN, Yan JC33 WESOLOWSKI, John Enhancing the Circulating Half-life of Antibody-based Fusion Proteins <130 LEX-003 <\$\dagge{4}1> 1999-02-24 <150> US 60/075,887 <151> 1998-02-25 <160> 8 <170> PatentIn Ver. 2.0 <210> 1 <211> 447 <212> PRT <213> Homo sapiens <220> <223> IGG-1 CHAIN C REGION <220> <221> VARIANT <222> (1)..(117) <223> The Xaa at positions 1 to 117 are non-conserved amino acids <400> 1 105 110 Xaa Xaa Xaa Xaa Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu

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Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys

Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser

135

Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn 195 200 205 Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His 215 Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser 295 Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro 340 345 350Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu 420 425 430His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys

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<sup>&</sup>lt;211> 443

<sup>&</sup>lt;212> PRT

<sup>&</sup>lt;213> Homo sapiens

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<sup>&</sup>lt;223> IGG-2 CHAIN C REGION

<sup>&</sup>lt;220>

<sup>&</sup>lt;221> VARIANT

<sup>&</sup>lt;222> (1)..(117)

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## amino acids

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Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe 355 360 365

Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu 370 380

Asn Asn Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe 385 395 400

Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly 405 410 415

Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr 420 425 430

Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys 435

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Ala Pro Cys Ser Arg Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys 130 140

Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser 145 150 155

Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser

				165					170					175	
Ser	Gly	Leu	Tyr 180	Ser	Leu	Ser	Ser	Val 185	Val	Thr	Val	Pro	Ser 190	Ser	Ser
Leu	Gly	Thr 195	Gln	Thr	Tyr	Thr	Cys 200	Asn	Val	Asn	His	Lys 205	Pro	Ser	Asn
Thr	Lys 210	Val	Asp	Lys	Arg	Val 215	Glu	Leu	Lys	Thr	Pro 220	Leu	Gly	Asp	Thr
Thr 225	His	Thr	Cys	Pro	Arg 230	Cys	Pro	Glu	Pro	Lys 235	Ser	Cys	Asp	Thr	Pro 240
Pro	Pro	Cys	Pro	Arg 245	Cys	Pro	Glu	Pro	Lys 250	Ser	Cys	Asp	Thr	Pro 255	Pro
Pro	Cys	Pro	Arg 260	Cys	Pro	Glu	Pro	Lys 265	Ser	Cys	Asp	Thr	Pro 270	Pro	Pro
Cys	Pro	Arg 275	Cys	Pro	Ala	Pro	Glu 280	Leu	Leu	Gly	Gly	Pro 285	Ser	Val	Phe
Leu	Phe 290	Pro	Pro	Lys	Pro	Lys 295	Asp	Thr	Leu	Met	Ile 300	Ser	Arg	Thr	Pro
Glu 305	Val	Thr	Cys	Val	Val 310	Val	Asp	Val	Ser	His 315	Glu	Asp	Pro	Glu	Val 320
Gln	Phe	Lys	Trp	Tyr 325	Val	Asp	Gly	Val	Glu 330	Val	His	Asn	Ala	Lys 335	Thr
Lys	Pro	Arg	Glu 340	Glu	Gln	Tyr	Asn	Ser 345	Thr	Phe	Arg	Val	Val 350	Ser	Val
Leu	Thr	Val 355	Leu	His	Gln	Asp	Trp 360	Leu	Asn	Gly	Lys	Glu 365	Tyr	Lys	Cys
Lys	Val 370	Ser	Asn	Lys	Ala	Leu 375	Pro	Ala	Pro	Ile	Glu 380	Lys	Thr	Ile	Ser
Lys 385	Thr	Lys	Gly	Gln	Pro 390	Arg	Glu	Pro	Gln	Val 395	Tyr	Thr	Leu	Pro	Pro 400
Ser	Arg	Glu	Glu	Met 405	Thr	Lys	Asn	Gln	Val 410	Ser	Leu	Thr	Cys	Leu 415	Val
Lys	Gly	Phe	Tyr 420	Pro	Ser	Asp	Ile	Ala 425	Val	Glu	Trp	Glu	Ser 430	Ser	Gly
Gln	Pro	Glu 435	Asn	Asn	Tyr	Asn	Thr 440	Thr	Pro	Pro	Met	Leu 445	Asp	Ser	Asp
Gly	Ser 450	Phe	Phe	Leu	Tyr	Ser 455	Lys	Leu	Thr	Val	Asp 460	Lys	Ser	Arg	Trp
Gln 465	Gln	Gly	Asn	Ile	Phe 470	Ser	Cys	Ser	Val	Met 475	His	Glu	Ala	Leu	His 480
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<222> (1)..(117)

<223> The Xaa at positions 1 to 117 are non-conserved amino acids

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Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser 145 150 155 160

Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser 165 170 175

Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser 180 185 190

Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn 195 200 205

Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly Pro Pro Cys Pro 210 215 220

Ser Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe 225 230 235

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val245 250 255

Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe
260 265 270

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro 275 280 285

Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr 290 295 300

Val 305	Leu	His	Gln	Asp	310	Leu	Asn	GLY	Lys	G1u 315	Tyr	Lys	Cys	Lys	Val 320	
Ser	Asn	Lys	Gly	Leu 325	Pro	Ser	Ser	Ile	Glu 330	Lys	Thr	Ile	Ser	Lys 335	Ala	
Lys	Gly	Gln	Pro 340	Arg	Glu	Pro	Gln	Val 345	Tyr	Thr	Leu	Pro	Pro 350	Ser	Gln	
Glu	Glu	Met 355	Thr	Lys	Asn	Gln	Val 360	Ser	Leu	Thr	Cys	Leu 365	Val	Lys	Gly	
Phe	Tyr 370	Pro	Ser	Asp	Ile	Ala 375	Val	Glu	Trp	Glu	Ser 380	Asn	Gly	Gln	Pro	
Glu 385	Asn	Asn	Tyr	Lys	Thr 390	Thr	Pro	Pro	Val	Leu 395	Asp	Ser	Asp	Gly	Ser 400	
Phe	Phe	Leu	Tyr	Ser 405	Arg	Leu	Thr	Val	Asp 410	Lys	Ser	Arg	Trp	Gln 415	Glu	
Gly	Asn	Val	Phe 420	Ser	Cys	Ser	Val	Met 425	His	Glu	Ala	Leu	His 430	Asn	His	
Tyr	Thr	Gln 435	Lys	Ser	Leu	Ser	Leu 440	Ser	Leu	Gly	Lys					
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